

Bringing service to life

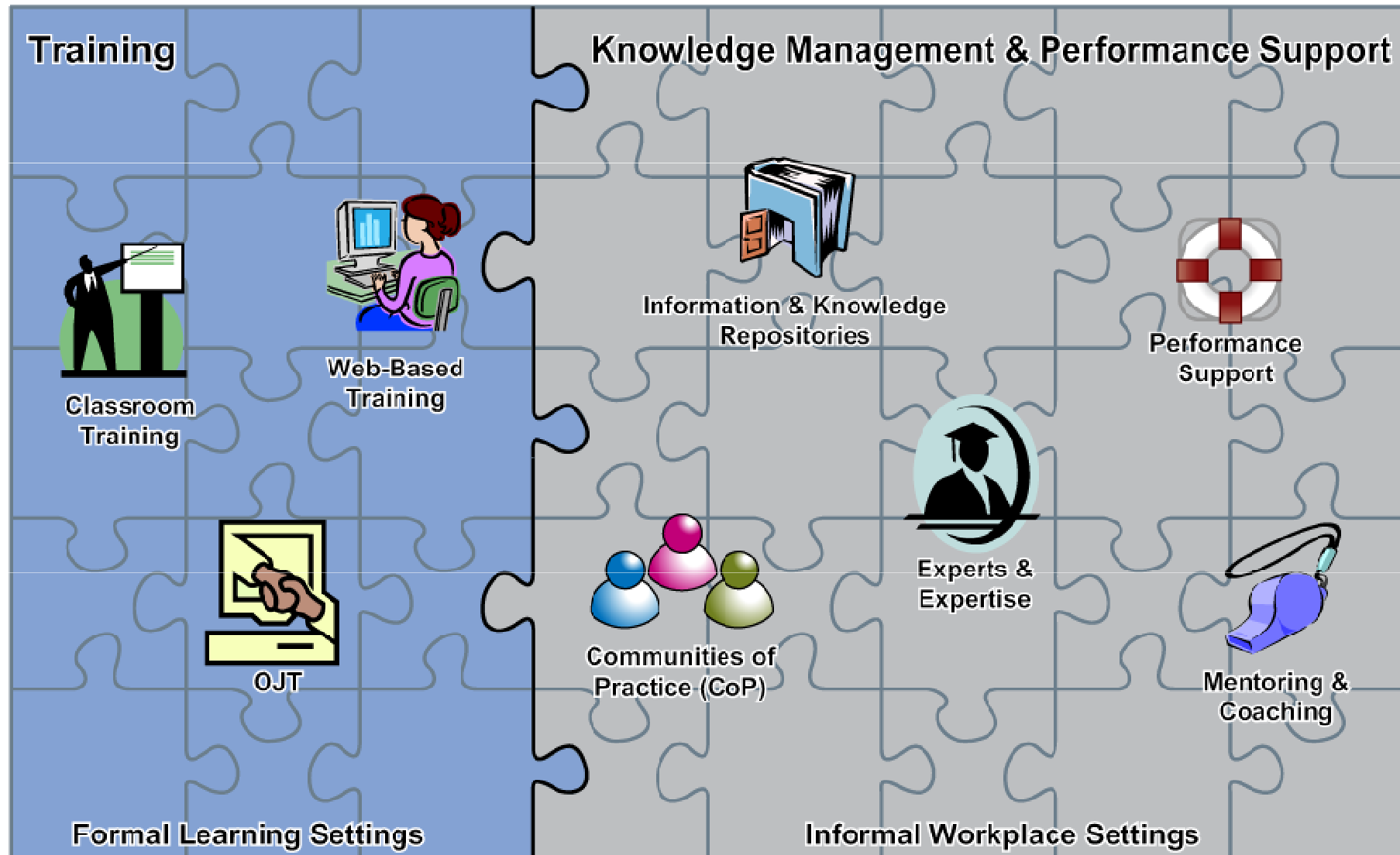


Mobile Performance Support & Learning

Presentation to
2nd Annual ADL &ST Workshop
May 20-21, 2010

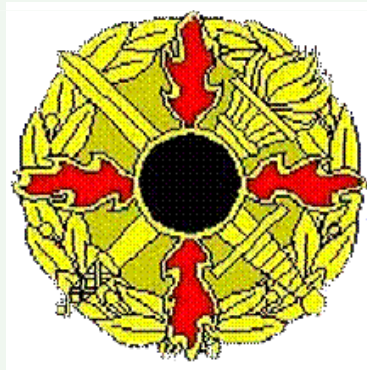
Presented by
Ms. Janet Cichelli
Chief Technologist
Advanced Learning Technologies
Serco North America

Mobile Performance Support and Continuous Learning



US Army Defense Ammunition Center (DAC)

Training Directorate Charter



Department of Defense INSTRUCTION

Number 5160.68
March 3, 1995

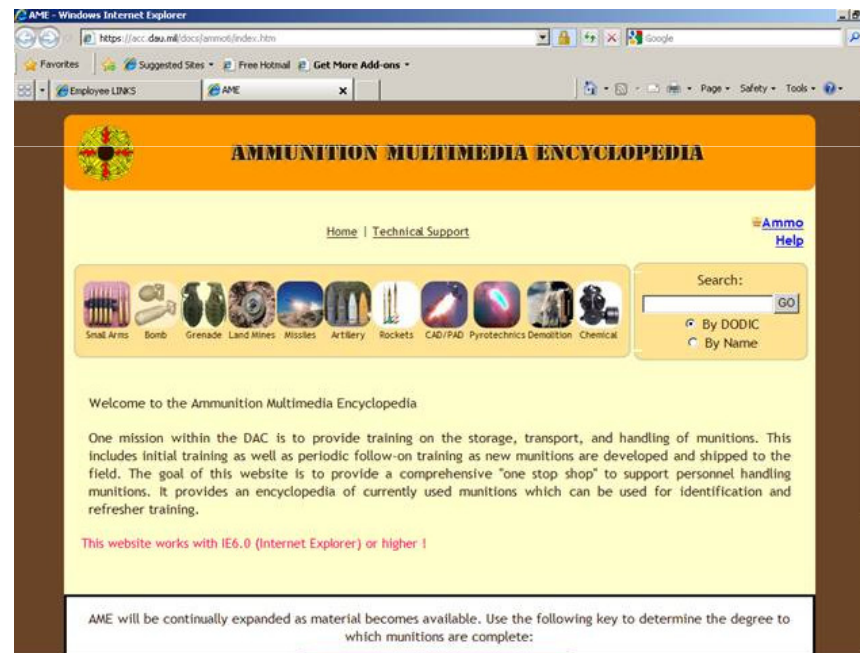
E2.14.1.2 U.S. Army Materiel Command [AMC] Operate a defense ammunition center and school **to provide education and training for ammunition managers, specialists, and operating personnel required to perform conventional ammunition logistics missions, and to support related civilian ammunition career programs**, in accordance with requirements of the Single Manager for Conventional Ammunition (SMCA) and of the Military Services.

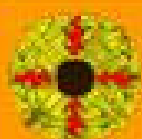


Performance Support Systems

US Army DAC – Ammunition Multimedia Encyclopedia

- Inform and instruct DAC personnel on the identification, handling, packing, and transportation requirements of the new ammunition
- Use AME to supplement DAC traditional classroom courses
- Provide a reach-back capability for DAC personnel in the field





AMMUNITION MULTIMEDIA ENCYCLOPEDIA

[Home](#) | [Technical Support](#)

[Ammo](#)
[Help](#)



Small Arms



Bomb



Grenade



Land Mines



Missiles



Artillery



Rockets



C4/PA6



Pyrotechnics



Demolition



Chemical

Search:

GO

- ☒ By DODIC
☐ By Name

Small Arms

IMAGE

MUNITION TYPE

SIZE



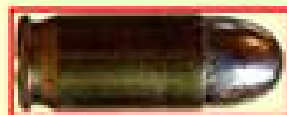
Shotgun Cartridges

12 Gage



.22 Caliber Cartridges

.22 Cal



.38 Caliber Cartridges

.38 Cal



AMMUNITION MULTIMEDIA ENCYCLOPEDIA

[Home](#) | [Technical Support](#)

[Ammo](#)
[Help](#)

Experience:

- 2D Images/Album
- Immersive Views
- Videos/Animations



Read:

- Specification
- Munition Inspection
- Packaging and Shipping



Discuss:

- Learn Together
- Comments
- Discussion Forum Links

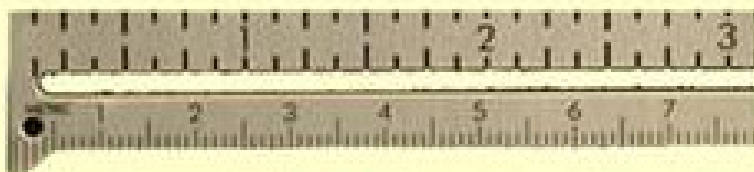


Search:



☒ By DODIC ☐ By Name

[Home](#) > [Small Arms](#) > [Shotgun Cartridges](#) > 12 Gage Shotgun, #00 Buckshot



Hover your mouse over  for details.

DODIC: A011

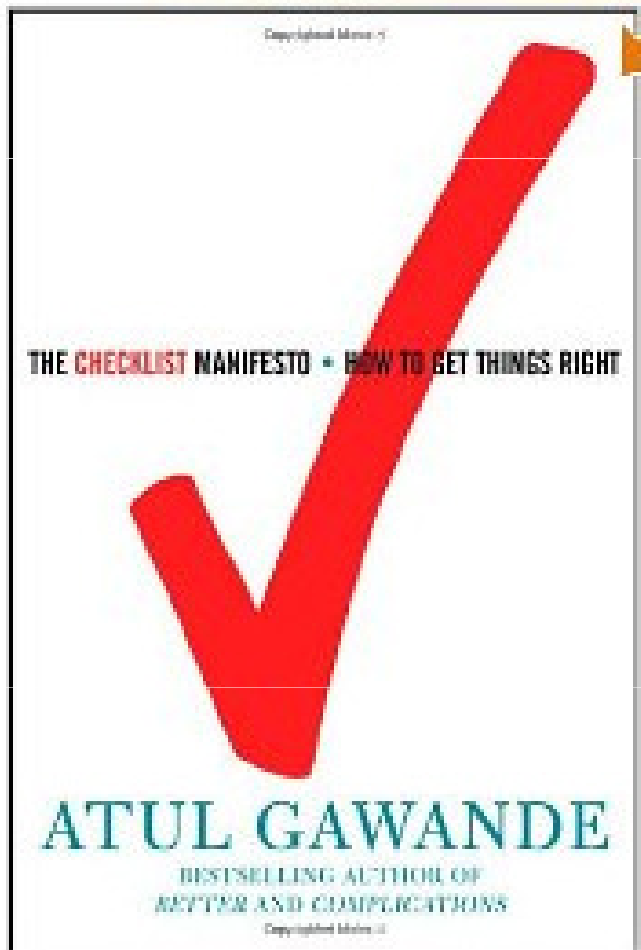
Nomenclature: CARTRIDGE, 12 GAGE, SHOTGUN, NO. 00, M162

Common Name(s): NA

Use: Military issue shotgun, 2-3/4 inch chamber. The cartridge is intended for guard and combat use.

Description: Each cartridge case consists of a metal (brass or plated steel) head containing a propellant charge and smokeless powder. The cartridge case can be brass (M19), plastic (M162) or waterproofed paper, and is loaded with No. 00 commercial shot.

The Checklist Manifesto: How to Get Things Right



Experts need checklists--literally--written guides that walk them through the key steps in any complex procedure.

There is a distinction between:

- Errors of ignorance (mistakes we make because we don't know enough), and
- Errors of ineptitude (mistakes we made because we don't make proper use of what we know).

Safe OR | Surgical Safety Checklist

The image displays three sequential screenshots of the 'Safe OR' Surgical Safety Checklist application. The first screenshot shows the main menu with the title 'Safe OR' and a description: 'Adapted From: A Surgical Safety Checklist to Reduce Morbidity and Mortality in a Global Population'. It includes a navigation bar with 'Disc', 'QxMD', and 'About' buttons. Below the title, there is a section for 'Before Induction of Anaesthesia' with a right arrow, and two other sections: 'Before Skin Incision' and 'Before Patient Leaves OR', both also with right arrows. The second screenshot shows the 'Checklist' screen for 'Before Induction of Anaesthesia'. It contains a list of seven questions, each with a 'Yes >' or 'No >' response button. The questions are: 'Have you confirmed patient identity?' (Yes >), 'Have you confirmed surgical site?' (Yes >), 'Have you confirmed the procedure?' (Yes >), 'Have you obtained consent?' (Yes >), 'Is the surgical site marked?' (Yes >), 'Is the anaesthesia safety check complete?' (No >), and 'Is the pulse oximeter on the patient on and functioning?' (Yes >). The third screenshot shows the 'Results' screen, which displays the status of the checklist. It features a red 'ALERT!' section stating 'You have not completed the anaesthesia safety check'. Below this is a yellow 'WARNING!' section with two messages: 'The patient has allergies. Take the required precautions' and 'You have indicated a risk of >500 mL blood loss (>7mL/kg in children) - You have indicated adequate intravenous access and fluids planned'. At the bottom, it states 'Checklist NOT complete.' and 'Please correct all alerts, shown in red, to complete checklist'.

Safe OR

Adapted From:
A Surgical Safety Checklist to Reduce
Morbidity and Mortality in a Global
Population

For help using these checklists, tap the 'About'
button at the top of your screen

Before Induction of Anaesthesia >

Before Skin Incision >

Before Patient Leaves OR >

Checklist

Before Induction of Anaesthesia

Have you confirmed patient identity? Yes >

Have you confirmed surgical site? Yes >

Have you confirmed the procedure? Yes >

Have you obtained consent? Yes >

Is the surgical site marked? Yes >

Is the anaesthesia safety check complete? No >

Is the pulse oximeter on the patient on and functioning? Yes >

Results

ALERT!

You have not completed the
anaesthesia safety check

WARNING!

The patient has allergies. Take the
required precautions

You have indicated a risk of >500 mL
blood loss (>7mL/kg in children) - You
have indicated adequate intravenous
access and fluids planned

Checklist NOT complete.

Please correct all alerts, shown in red,
to complete checklist

Safe OR | Surgical Safety Checklist

Freely available to the medical community.

- Mobile checklist designed to increase survival rates during surgery
- Adapted from the WHO Surgical Safety Checklist
- Provides a series of checklists to be completed before beginning a surgical procedure
- Includes administering anaesthesia and making surgical incisions in patient
- When a checklist isn't complete, the app provides an alert to the user indicating which steps were skipped
- Easily and routinely updated as advances are made

A Checklist? Really? Does it Work?

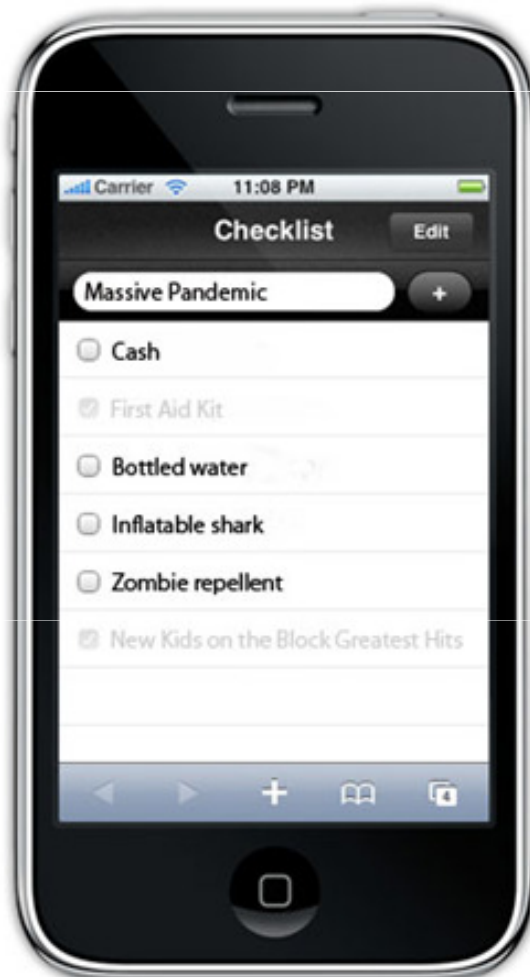
An article published in the New England Journal of Medicine has shown that using a simple 19-step safety checklist (the Surgical Safety Checklist) in the operating room can significantly reduce post-operative complications.

Specifically, death after surgery was reduced by more than 40%.

“Mobile-based decision support with checklists are a great benefit,” says Waegemann. My vision for mHealth is that a large part of the scientific body of medicine that a doctor learns and memorizes in medical school will be transferred into decision-supporting apps a doctor holds on a mobile device .”

Making a SmartPhone a First Responder

Emergency Preparedness Checklist



Pocket First Aid & CPR



Goal is to supplement rather than replace formal training.

Thank You.

Ms. Janet Cichelli

Sr. Director and Chief Technologist

Serco North America

Learning & Human Capital Solutions

Rockville, Maryland USA

240-778-1223

janet.cichelli@serco-na.com